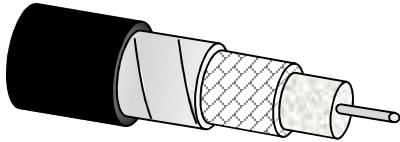




TIMES MICROWAVE

LTR	DESCRIPTION	DATE	BY
Released	New release	05/20/69	JCL
C	Updated MSHA-P/MSHA	07/16/07	JCL
D	Updated MSHA-P/MSHA listing	10/29/08	JCL
E	Updated Spec/Format	08/02/18	GMH
F	CDC 50556 Add Notes	01/02/19	MS

I. CONSTRUCTION



Center conductor	Solid Bare Copper	.037"
Dielectric	Gas Injected Foam Polyethylene	.111"
Shield	Aluminum-Polyester-Aluminum-Adhesive Tape	.118"
Braid	36 GA Tinned Copper Braid (90%k)	.142"
Jacket	Black Low Smoke Low Toxicity FR Polyethylene	.195"

II. ENVIRONMENTAL and MECHANICAL PROPERTIES

Weight: 28 Pounds Per 1000 Feet

Operating Temperature: -40°C To +85°C

Bend Radius: Repeated 0.5 Inch

Flame Resistance: UL Listed "CMR/CATVR" Under file # E-170516

III. ELECTRICAL PROPERTIES

Impedance: 50 Ohms

Capacitance: 27.3 Pf Per Foot

Velocity: 76%

Attenuation (Typical): =

Frequency (MHz)	Attenuation (dB/100 feet)
150	4.4
450	7.8
900	11.1
2000	16.9
2500	19.0
5800	29.9

IV. NOTES

- 1) All tests performed in accordance with MIL-DTL-17(current issue).
- 2) Attenuation at any frequency can be approximated using the following equation
- 3) Attenuation = $[\text{.35686} \times \text{SqRt}(\text{Fmhz})] + [\text{.00047} \times \text{Fmhz}]$
- 4) Rated for indoor and outdoor applications.
- 5) Meets NFPA-130 Requirements

Unless otherwise specified dimensions in inches. Tolerances are applicable when specified. 54111	Approvals			Times Microwave Systems Wallingford CT 06492		
	Drawn:	JCL	05/20/96			
	Last Update	MS	01/02/19	LMR-195-FR MSHA-P/MSHA (P-07-KA-070010-MSHA) Non-Halogen, Flame Retardant High Performance Communications Coax		
	Check					
	PrdMg					
	VpEng					
				Page 1 of 2		

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6) Compliant to EN-45545 (R15/R16) standards

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